

## Abstract

A method for pressure-independent temperature determination using a metal diaphragm (1) is described. A bridge circuit (5) having multiple resistors (6, 7, 8, 9) is provided on this  
5 diaphragm. One pair (10) of resistors (6, 7, 8, 9) is near the center and another pair (11) of resistors (6, 7, 8, 9) is situated at a distance from the center. The resistors (6, 7,  
10 8, 9) are provided on the metal diaphragm in such a way that the tensile elongation ( $\Delta l$ ) of the pair (10) of resistors (6,  
10 7, 8, 9) near the center corresponds in absolute value to compressions  $-\Delta l$  of the pair (11) of resistors (6, 7, 8, 9)  
far from the center.

(Figure 2)